RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/245,198A

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4 <110> APPLICANT: Chicheportiche, Yves
       Browning, Jeffrey
 7 <120> TITLE OF INVENTION: Tumor Necrosis Factor Related Ligand
10 <130> FILE REFERENCE: A003
12 <140> CURRENT APPLICATION NUMBER: 09/245,198A
13 <141> CURRENT FILING DATE: 1999-02-05
15 <150> PRIOR APPLICATION NUMBER: 60/023,541
16 <151> PRIOR FILING DATE: 1996-08-07
18 <150> PRIOR APPLICATION NUMBER: 60/028,515
19 <151> PRTOR FILING DATE: 1996-10-18
21 <150> PRIOR APPLICATION NUMBER: 60/040,820
22 <151> PRIOR FILING DATE: 1997-03-18
24 <160> NUMBER OF SEQ ID NOS: 27
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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29 <211> LENGTH: 1168
30 <212> TYPE: DNA
31 <213> ORGANISM: homo sapien
33 <400> SEQUENCE: 1
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36 cogcogggag coccotgaac tgaatcocca gacagaggaa agccaggatg tggtacettt
37 ottygaacaa otagtooggo otogaagaág tgotootaaa ggooggaagg ogoggootog
                                                                          240
38 degagetatt geageceatt atgaggttea teeteggeea ggacaggatg gageaeaage
                                                                          300
39 aggtgtggat gggacagtga gtggctggga agagaccaaa atcaacagct ccagccctct
                                                                          360
40 gcgctacgac cgccagattg gggaatttac agtcatcagg gctgggctct actacctgta
41 ctgtcaggtg cactttgatg agggaaaggc tgtctacctg aagctggact tgctggtgaa
                                                                         480
42 eggtgtgetg geeetgeget geetggaaga atteteagee acageageaa geteteetgg
                                                                          540
43 geoceagete egittigtigee aggitigtetigg getigtigeeg etgeggeeag gigtetteeet
                                                                         600
44 toggatocqc acceteccet gggeteatet taaggetgec ccetteetaa ectaetttgg
                                                                          720
45 actotttcaa gitcactgag gggcottgot etcocagatt cottaaactt teectggete
46 caggageate accaeacte ectaeceeae eccaeteet ecaeceete getgeteett
                                                                         780
47 ggtecagted tytotetect casaggeage cagagettgt teacatgttt ceattecaca
                                                                         840
48 gacqtatect tgctcttett aacateccat eccaccacaa ctatecacct cactagetee
                                                                         900
                                                                         960
49 casagococt acttatocot gactococoa eccacteaco egaccaegtg titatigact
50 ttgtgcacca ggcactgaga tgggctggac ctggtggcag gaagccagag aacctgggac
                                                                         1020
51 taggecagaa gtteecaact gtgaggggga agagetgggg acaageteet coetggatee
                                                                         1080
                                                                         1.140
52 ctgtggattt tgaaaagata ctatttttat tattattgtg acaaaatgtt aaatggatat
53 taaagagaat aaatcatgat ttctcttc
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56 <211> LENGTH: 225
57 <212> TYPE: PRT
58 <213> ORGANISM: homo sapien
60 <400> SEQUENCE: 2
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                                      1.0
63 Val Val Ser Leu Gly Ser Trp Ala Thr Leu Ser Ala Cln Glu Pro Ser
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Input Set : A:\A003.txt

Output Set: N:\CRF3\02052001\1245198A.raw

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65 Gln Glu Glu Leu Thr Ala Glu Asp Arg Arg Glu Pro Pro Glu Leu Asn 66 35 40 45
67 Pro Gln Thr Glu Glu Ser Gln Asp Val Val Pro Phe Leu Glu Gln Leu
68 50 55 60
69 Val Arg Pro Arg Arg Ser Ala Pro Lys Gly Arg Lys Ala Arg Pro Arg
70 65 70 75 80
71 Arg Ala Ile Ala Ala His Tyr Glu Val His Pro Arg Pro Gly Gln Asp 72 \phantom{000}85\phantom{000} 90 \phantom{000}95\phantom{000}
73 Gly Ala Gln Ala Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu Thr 74 $100$
75 Lys Ile Asn Ser Ser Ser Pro Leu Arg Tyr Asp Arg Gln Ile Gly Glu 76 \phantom{\bigg|} 115 \phantom{\bigg|} 120 \phantom{\bigg|} 120
77 Phe Thr Val Ile Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gl<br/>n Val His 78 \phantom{-}130\phantom{0} 135 \phantom{-}140\phantom{0}
79 Phe Asp Glu Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asn 80 145 150 160
81 Gly Val Leu Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala
             165 170 1.75
83 Ser Ser Pro Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu
84 1.80
                           185 1.90
85 Pro Leu Arg Pro Gly Ser Ser Leu Arg Tle Arg Thr Leu Pro Trp Ala 86 \phantom{\bigg|}195\phantom{\bigg|}195\phantom{\bigg|} 200 \phantom{\bigg|}205\phantom{\bigg|}
87 His Leu Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val
88 21.0
                              215
89 His
90 225
92 <210> SEQ ID NO: 3
93 <211> LENGTH: 1373
94 <212> TYPE: DNA
95 <2.13> ORGANISM: homo sapien
97 <400> SEQUENCE: 3
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99 tecogggaty ggggggggt gaggeaggea cageceeeg eececatgge egeeegtegg
                                                                                  120
                                                                                   180
100 agccagagge ggagggggg coggggggag cogggcacog contgotigt occgotogog
101 ctgggcctgg gcctgycgct ggcctycctc ggcctcctgc tggccgtggt cagtttgggg
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102 ageogggeat egetgteege coaggageet geocaggagg agetggtgge agaggaggae
                                                                                   300
103 caggaccegt eggaactgaa teeccagaca gaagaaagee aggateetge geeltteetg
                                                                                   360
104 aaccgactag tteggeeteg cagaagtgea eetaaaggee ggaaaacaeg ggetegaaga
                                                                                   420
105 gegategeag decattatga agtteateca egacetggae aggaeggage geaggeaggt
106 gtggacggga cagtgagtgg ctgggaggaa gccagaatca acagetecag ecetetgege
                                                                                   540
107 tacaaccgcc agatógggga gtttatagtc accogggctg ggctctacta cctgtactgt
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108 caggtgcact ttgatgaggg gaaggetgte tacetgaage tggaettget ggtggatggt
                                                                                   660
                                                                                   720
109 gtgctggccc-tgcgctgcct ggaggaatte teagccaetg eggccagtte cetegggcce
110 cageteegee tetgecaggt gtetgggetg ttggccetge ggecagggte etecetgegg
                                                                                   780
111 atcogcacco teccetggge ceateteaag getgeecect teeteaceta etteggaete
                                                                                   840
112 ticcaggite actgagggge cetggietec ceacagtegt eccaggetge eggeteceet
                                                                                   900
1.13 egacagetet etgggeacce ggteecetet geoceaccet eageegetet ttgeteeaga
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114 ectycecte ectetayagy etgeetggge etgtteacgt gttttecate ecacataaat
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Input Set : A:\A003.txt

Output Set: N:\CRF3\02052001\1245198A.raw

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115 adaptatice eactettate tracaactee eccacegede actetecace teactagete
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116 occaatedet gaeeettiga ggeeeceagt gatetegaet eeceetigge cacagaeece
                                                                                                      1140
117 cagggeatty tytteactyt actotytygg caaqyatygg tecagaagac eccaetteag
                                                                                                      1200
                                                                                                      1260
118 gcactaagag gggctggacc tggcggcagg aagccaaaga gactgggcct aggccaggag
119 tteccaaatg tgaggggega gaaacuagac aageteetee ettgagaatt eeetgtggat
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122 <210> SEO LD NO: 4
123 <211> LENGTH: 284
124 <212> TYPE: PRT
125 <213> ORGANISM: homo sapien
127 <400> SEQUENCE: 4
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130 Arg Ser Leu Gly Ser Arg Asp Gly Gly Ala Val Arg Gln Ala Gln Pro 131 \phantom{\bigg|}20\phantom{\bigg|}25\phantom{\bigg|}30\phantom{\bigg|}
132 Pro Ala Pro Met Ala Ala Arg Arg Ser Gln Arg Arg Arg Gly Arg Arg 133 \phantom{\bigg|}35\phantom{\bigg|}35\phantom{\bigg|}40\phantom{\bigg|}40\phantom{\bigg|}45\phantom{\bigg|}
134 Gly Glu Pro Gly Thr Ala Leu Leu Val Pro Leu Ala Leu Gly Leu Gly 135 50 60
136 Leu Ala Leu Ala Cys Leu Gly Leu Leu Leu Ala Val Val Ser Leu Gly 137 65 70 75 80
138 Ser Arg Ala Ser Leu Ser Ala Gln Glu Pro Ala Gln Glu Glu Leu Val
                     85
                                                      90
1.39
140 Ala Glu Glu Asp Gin Asp Pro Ser Glu Leu Asn Pro Gln Thr Glu Glu
141 100 105 110
142 Ser Gln Asp Pro Ala Pro Phe Leu Asn Arg Leu Val Arg Pro Arg Arg
143 115 120 125
144 Ser Ala Pro Lys Gly Arg Lys Thr Arg Ala Arg Arg Ala Ile Ala Ala
145 130 135 140
146 His Tyr Glu Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala Gly 147 145 \phantom{\bigg|}150\phantom{\bigg|}150\phantom{\bigg|}150\phantom{\bigg|}150\phantom{\bigg|}150\phantom{\bigg|}
                             150
148 Val Asp Gly Thr Val Ser Gly Trp Glu Glu Ala Arg Ile Asn Ser Ser 149 \phantom{\bigg|} 165 \phantom{\bigg|} 170 \phantom{\bigg|} 170 \phantom{\bigg|} 175
149 1.65
150 Ser Pro Leu Arg Tyr Asn Arg Gin Ile Gly Glu Phe Ile Val Thr Arg 151 $180$
1.52 Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly Lys
1.53 1.95 200 205
154 Ala Val Tyr Leu Lys Leu Asp Leu Val Asp Gly Val Leu Ala Leu 155 \phantom{\bigg|}210\phantom{\bigg|} 210 \phantom{\bigg|} 220
1.56 Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly Pro 157 225 230 230 235
158 Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro Gly 159 \phantom{\bigg|}245\phantom{\bigg|}245\phantom{\bigg|}
160 Ser Ser Leu Arg IIe Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala
161 260 265 270
162 Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val His
163 275
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165 <210> SEQ ID NO: 5
166 <211> LENGTH: 18
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238 <211> LENGTH: 21 239 <212> TYPE: DNA 240 <213> ORGANTSM: homo sapien 242 <400> SEQUENCE: 14 243 gatccaggga ggagttgtc c 245 <210> SEQ ID NO: 15 246 <211> LENGTH: 20	
239 <212> TYPE: DNA 240 <213> ORGANTSM: homo sapien 242 <400> SEQUENCE: 14 243 gatecaggga ggagettgte c 245 <210> SEQ ID NO: 15 246 <211> LENGTH: 20	
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286 20 25 30	
287 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe	
288 35 40 45	
289 Cys Leu Leu His Phe Gly Val Tle Gly Pro Gln Arg Glu Glu Phe Pro	
290 50 55 60	
291 Arg Asp Leu Ser Leu Ile Ser Ser Pro Leu Ala Gln Ala Val Arg Ser	
292 65 70 75 80	
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VERIFICATION SUMMARY

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